MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-25C1A	RM-839	Italian	SCC-K05C-A	*KV-25C1E*	RM-839	Spanish	SCC-K06C-A
KV-25C1B	RM-839	French	SCC-K01C-A	*KV-25C1K*	RM-839	OIRT	SCC-K08D-A
KV-25C1D	RM-839	AEP	SCC-K07C-A	*KV-25C1R*	RM-839	OIRT	SCC-K08E-A

MICROFILM
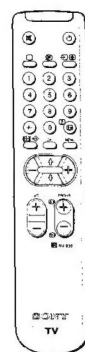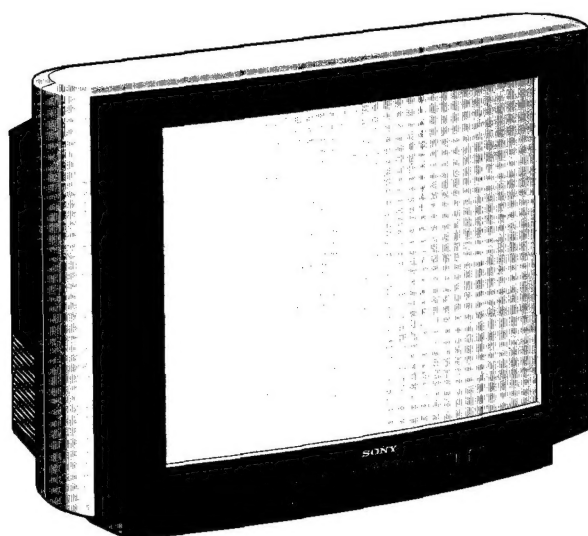
TRINITRON ® COLOR TV
SONY ®

ITEM MODEL	Television System	Channel Coverage	Colour System
Italian	B/G/H	VHF: E2-E12, S1-S20, A-H, H1,H2 UHF: E21-E69	PAL NTSC3.58/4.43 (video input only)
French	B/G/H, D/K, L, I	L SECAM VHF: F2-F10 UHF: F21-F69 TV CABLE TV (1) VHF: B-Q UHF: S21-S44 PAL B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H, H1, H2 PAL I UHF: B21-B69 D/K VHF: R01-R20 UHF: B21-B69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, S42-S46	PAL, SECAM NTSC3.58/4.43 (video input only)
AEP	B/G/H, D/K	B/G/H VHF: E2-E12 UHF: S1-S20 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H, H1, H2 D/K VHF: R01-R20 UHF: B21-B69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, S42-S46	PAL, SECAM NTSC3.58/4.43 (video input only)
Spanish	B/G/H, D/K	PAL B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H, H1, H2 D/K VHF: R01-R20 UHF: B21-B69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, S42-S46	PAL, SECAM NTSC3.58/4.43 (video input only)
OIRT	B/G/H, D/K	B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H, H1, H2 D/K VHF: R01-R12 UHF: R21-R69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, S42-S46	PAL, SECAM NTSC3.58/4.43 (video input only)

MODEL	25C1A	25C1B	25C1D	25C1E	25C1K 25C1R
Power Consumption	72W	82W	82W	82W	82W

SPECIFICATIONS

Picture Tube — Super Trinitron
Approx. 63 cm (25 inches)
(Approx. 59 cm picture measured diagonally)
110° -deflection

Rear/Front Terminals

[REAR]

-⊚ 1 21-pin Euro connector (CENELEC standard)
- Inputs for audio / video signals
- Inputs for RGB
- Outputs for TV audio and video signals

↪ 2/-⊚ 2, 21-pin Euro connector (CENELEC standard)
- Inputs for audio / video signals
- Inputs for S video
- Outputs for TV audio and video signals (selectable)

[FRONT]

-⊡ 3 , Video input - phono jack
-⊙ 3 , Audio inputs - phono jacks
-⊡S 3 , S video input - 4 pin DIN
⌒ Stereo minijack - headphone jack

Sound output
Left/Right   2x5W (RMS)
                    2x10W (music power)
Dimensions   717x507x486 mm approx.
Weight   Approx. 33.0 kg
Supplied accessories RM-839 Remote Commander (1)
                    Batteries R6 (2)
Other features   Fastext, TOPTEXT

[RM-839]

Remote control system   Infrared control
Power requirements   3V dc (2 batteries) R6 (size AA)
Dimensions   Approx. 210x45x24 mm (w/h/d)
Weight   Approx. 90g (Not including battery)

Design and specifications are subject to change without notice.

Model name / Item	KV-25C1A	KV-25C1B	KV-25C1D	KV-25C1E	KV-25C1K KV-25C1R
PIP	OFF	OFF	OFF	OFF	OFF
MPIP	OFF	OFF	OFF	OFF	OFF
Scart 1	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON	ON
Scart 4	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON
TXT	ON	ON	ON	ON	ON
FLOF	ON	ON	ON	ON	ON
TOP	ON	ON	ON	ON	ON
Norm B/G/H	ON	ON	ON	ON	ON
Norm I	OFF	ON	OFF	OFF	OFF
Norm D/K	OFF	ON	ON	ON	ON
Norm AUS	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF
Language Preset	Italian	French	German	Spanish	OIRT

21 pin connector (1, 2 / 2)
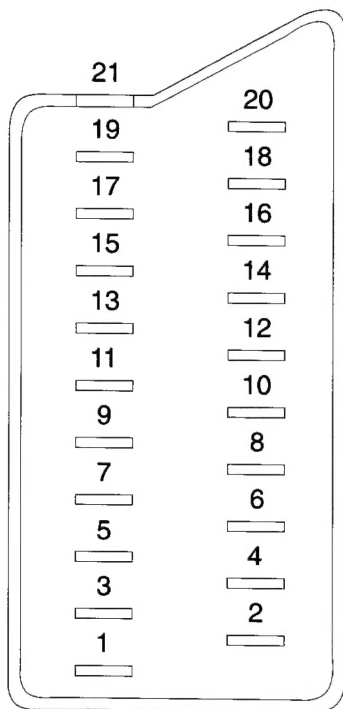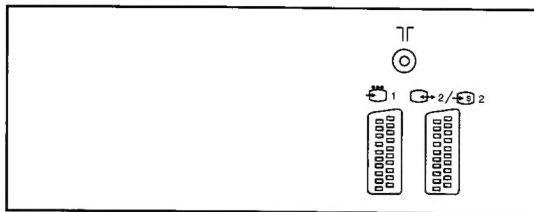
Pin No.	1	2	4	Signal	Signal Level
1	O	O	O	Audio output B (Right)	Standard level : 0.5V rms Output impedance : Less than 1k ohms*
2	O	O	O	Audio input B (Right)	Standard level : 0.5V rms Output impedance : More than 10k ohms*
3	O	O	O	Audio output A (Left)	Standard level : 0.5V rms Output impedance : Less than 1k ohm*
4	O	O	O	Ground (Audio)	
5	O	O	O	Ground (Blue)	
6	O	O	O	Audio input A (Left)	Standard level : 0.5V rms Output impedance : Less than 10k ohm*
7	O	●	●	Blue input	0.7 ± 3dB, 75 ohms, positive
8	O	O	O	Function select (AV control)	High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More10k ohms Input capacitance : Less than 2nF
9	O	O	O	Ground (Green)	
10	O	O	O	Open	
11	O	●	●	Green	
12	O	O	O	Open	
13	O	O	O	Ground (Red)	
14	O	O	O	Ground (Blanking)	
15	O	–	–	Red input	0.7 ± 3dB, 75 ohms, positive
	–	O	O	(S signal) croma input	0.7 ± 3dB, 75 ohms, positive
16	O	●	●	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75 ohms
17	O	O	O	Ground (Video output)	
18	O	O	O	Ground (Video input)	
19	O	O	O	Video output	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
20	O	–	–	Video input	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
	–	O	O	Video input Y (S signal)	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
21	O	O	O	Common ground (plug, sheild)	

O Connected   ● Not Connected (Open)   * at 20Hz - 20kHz

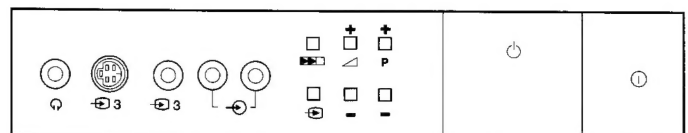| Pin No.	Signal	Signal Level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm, positive Sync. 0.3V -3 + 10dB
4	C (S signal) input	0.3V ± 3dB 75ohm, positive Sync.

TABLE OF CONTENTS

CAUTION
SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

ATTENTION
APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

WARNING !!
AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

ATTENTION !!
AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

SAFETY-RELATED COMPONENT WARNING!!
COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND, IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!
LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE PUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.
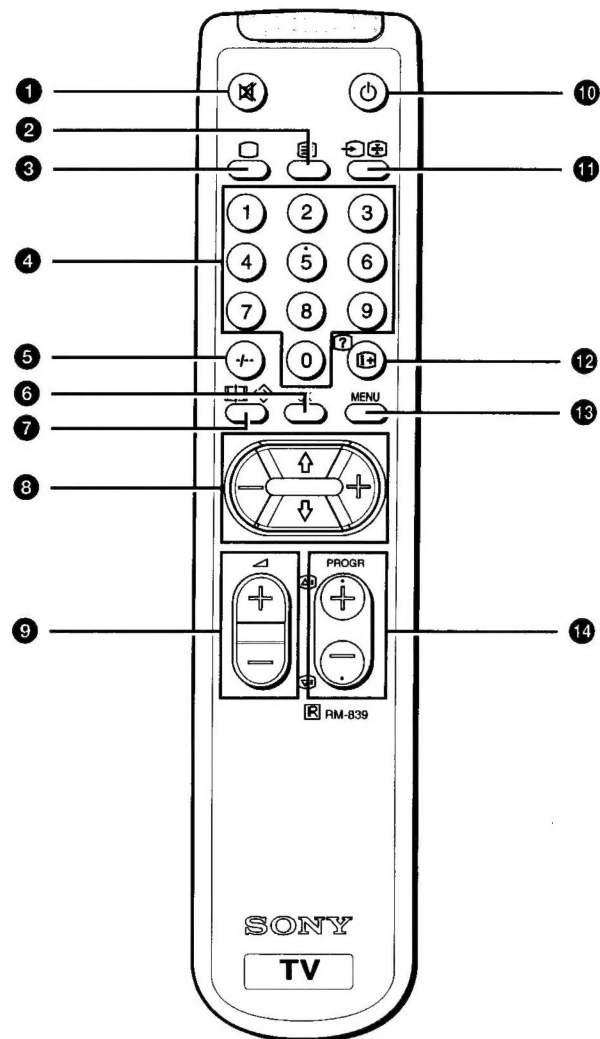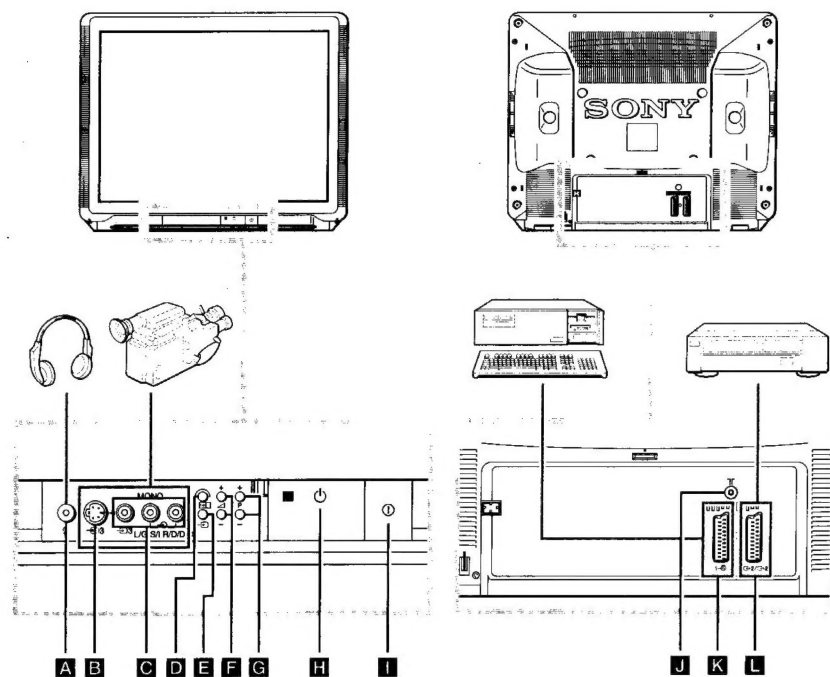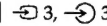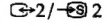
Overview

This section briefly describes the controls and the buttons on the TV set and on the Remote Commander. Please open the flap at the front of the instruction manual for illustrations of the TV set and the Remote Commander. Letters in boxes refer to the buttons on the TV set, numbers in circles to the buttons on the Remote Commander. For more information, refer to the page numbers given next to each description.

TV buttons and Terminals

Reference and Symbol	Name	Refer to Page
Front of the set		
A ⌒	Headphones jack	4
B ⊷⑤ 3	S video input jack	29
C ⊷⊙ 3, ⊷⊙ 3	Audio/video input jacks	29
D ▶☐	Automatic Preset button	11
E ⊷⊙	Input mode button	13
F ⊿ +/-	Volume control	12
G P +/-	Programme button	12
H ⏻	Standby mode indicator	12
I ①	Main power switch	12
Rear of the set		
J ⊤	Aerial socket	10
K ⊷◌ 1	21 pin Euro connector	29
L ⊶2/⊷⑤ 2	21 pin Euro connector	29

Remote Commander Operation

| Reference and Symbol	Name	Refer to Page
❶ ⊠	Muting on/off button	12
❷ ▤	Teletext button	13
❸ ○	TV power on/TV mode button	12, 13
❹ 1, 2, ... 9, 0	Number buttons	12
❺ - / - -	Double digit entering button	12
❻ OK	OK (Confirmation) button	14
❼ ⊞ / ◈	Screen format button Teletext: Favourite pages button	12, 28
❽ ⬭	Menu control	14
❾ ⊿ +/-	Volume control button	12
❿ ⏻	Standby button	12
⓫ ⊷⊙/⊕	Input mode button Teletext: Freezing the subpage	13, 27
⓬ ⓘ/⑦	On-screen display button Teletext: reveal button	12, 27
⓭ MENU	Menu on/off button	14
⓮ PROGR +/-	Programme buttons Teletext: Page up/page down buttons	12, 13

Step 1

Connecting the Aerial
(If you connect a VCR, skip to step 2)

Insert the aerial plug tightly into the aerial socket ⅂ Γ 🔲. Use a good-quality aerial cable (not supplied), corresponding to the relevant regulations.

Step 2

Connecting a VCR

We recommend that you tune in the VCR signal to programme number "0". For details, see "Presetting Channels Manually" on page 16.
See "Connecting Optional Equipment" on page 29 for more information.

Step 3

Inserting the Batteries Into the Remote Commander
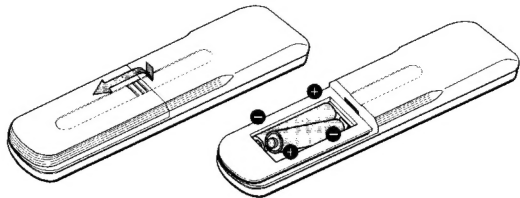
Respect your environment! Dispose of used batteries in an environmentally friendly way.

Step 4

Presetting Channels Automatically

With this function, the TV can automatically search and store up to 100 different channel numbers.
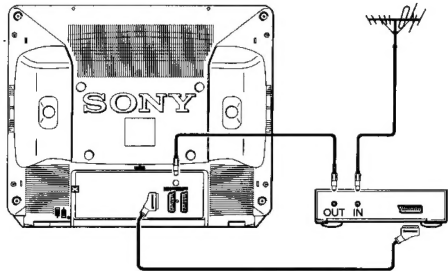If you prefer manual presetting, refer to "Presetting Channels Manually" on page 16.

1 Plug into mains.
Press the power switch ① 🔲 on the TV set.

2 Press and hold the button ▶🔲 🅳 on the TV set until the automatic menu is displayed and the search starts.

After all available channels are stored, the normal TV picture is shown.

Note: Channels are automatically stored as follows;

KV-25X1U/29X1U	KV-25X1L/29X1L
Programme 1 BBC1	Programme 1 RTE1
Programme 2 BBC2	Programme 2 RTE2
Programme 3 ITV	Programme 3 BBC1
Programme 4 CH4 or S4C	Programme 4 BBC2
	Programme 5 ITV
	Programme 6 CH4 or S4C

TV Operation

This section explains functions used whilst watching TV. Most operations are carried out using the remote commander (numbers in circles). All basic functions are also available on the TV set (letters in boxes). Open the flap at the front of the Instruction Manual to see the illustrations of the Remote Commander and the TV set.

TV Operation

To	Press
Switch on	① **I** on TV
Switch off temporarily	⏻ ⑩ TV is now in standby mode and ⏻ **H** indicator on TV lights up.
Switch on from standby mode	⬜ ❸, PROGR +/- ⑭ **G** or any number button ❹.
Switch off completely	① **I** on TV To save energy, switch off your TV completely when TV is not in use.
Select programmes	PROGR +/- ⑭ **G** or number buttons ❹ For double digit number, press -/- - ❺ then the number e.g. For 23, press -/- - ❺ then 2 and 3.
Display on screen indications	ⓘ ⑫. Press again to make the indications disappear.
Adjust the volume	◿ + or - ❾ **F**
Mute the sound	ⓧ ❶. Press again to restore the sound.
View programmes in 16:9 mode	⊞ ❼. Press again to return to 4:3 mode.

TV Operation (continued)

To	Press
View video input picture (see page 30 for detailed information)	⭲ ⑪ **E** repeatedly until the desired video input appears. Press ⬜ ❸ to restore the TV picture.
View teletext (see page 27 for detailed information)	
Switch on	🖹 ❷
Select a page	three number buttons ❹ or 🖹▲ ⑭ (for next page) or 🖹▼ ⑭ (for previous page).
Use fastext	Blue, Green, Red or Yellow ❽.
Switch off	⬜ ❸

Adjusting and Setting the TV Using the Menu

You can adjust and set various functions on the TV using the following remote commander buttons:

OK ❻ : confirm   MENU ⓭ : menu on/off

OK   MENU

GREEN : scroll up

RED : decrease/backward   YELLOW : increase/forward

BLUE : scroll down
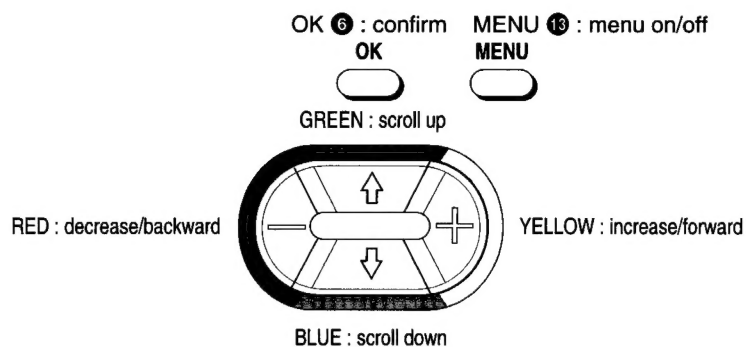
Choosing the Menu Language

This function enables you to change the language of the menu screens.

1 Press power switch ① ▮ on the TV. If the standby indicator ⏻ ▐ on the TV is lit, press ○ ❸ or a number button ❹ on the Remote Commander.

2 Press the MENU button ⓭ on the remote commander.

> **LANGUAGE**
>
> ■ ENGLISH
>   DEUTSCH
>   FRANÇAIS
>   ITALIANO
>   NEDERLANDS
>   POLSKI
>   ČESKY
>   MAGYAR

3 Press blue or green ❸ to select the language you want then press yellow ❸.

4 Press the MENU button ⓭ to restore the normal TV picture.

Presetting Channels Automatically

You may have already preset the channels automatically by using the method shown on page 11. You can also preset channels automatically by using the remote commander as follows:

1 Press the MENU button ⓭.

2 Press blue or green ❸ to select the symbol 🖷 on the menu screen then press yellow ❸.

> 🎞 | **PRESET**
> ♪ | ■ AUTO PROGRAMME
>   MANUAL PROGRAMME
> ◀❑▶ | AV LABEL PRESET
>   PROGRAMME SORTING
>   PARENTAL LOCK
> 🕒 | LANGUAGE
>   PICTURE ROTATION [00]
> 🗒 |
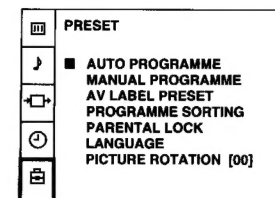
3 Press blue or green ❸ to select 'AUTO PROGRAMME'.

4 Press and hold yellow ❸ until the automatic menu is displayed and the search starts.

After all available channels have been preset, the normal TV picture is shown.

> **AUTO PROGRAMME**
>
> **PROG SYS CH LABEL**
>   01   B/G C25 - - - - -
> ||||||||||| - - - - - - - - - -

Presetting Channels Manually

This function enables you to preset channels one by one to different programme numbers. This is also convenient for allocating programme numbers to various video input sources.

1 Press the MENU button ⑬.

2 Press blue or green ⑧ to select the symbol 🔲 on the menu screen then press yellow ⑧.

🎬	PRESET
♪	■ AUTO PROGRAMME MANUAL PROGRAMME AV LABEL PRESET
⬅⬜➡	PROGRAMME SORTING PARENTAL LOCK
⏱	LANGUAGE PICTURE ROTATION [00]
🗄	
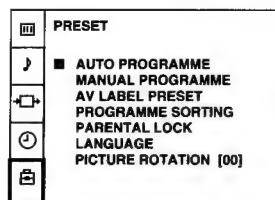
3 Press blue or green ⑧ to select 'MANUAL PROGRAMME' then press yellow ⑧.

MANUAL PROGRAMME PRESET				
PROG	SYS	CHAN	LABEL	AFT
1	B/G	C 1	-----	ON
2	B/G	C 4	-----	ON
3	B/G	C12	-----	ON
■ 4	B/G	C22	-----	ON
5	B/G	C33	-----	ON
6	B/G	C41	-----	ON
7	B/G	C17	-----	ON
8	B/G	C32	-----	ON

4 Press blue or green ⑧ to select on which programme number you want to preset a channel then press yellow ⑧.

5 Press blue or green ⑧ to select the TV broadcast system 'T' or a video input source (AV1,AV2 ...) then press yellow ⑧.

6 (This step 6 is only for KV-25X1L/29X1L)
Press blue or green ⑧ to select 'C' (for terrestrial channels) or 'S' (for cable channels) then press yellow ⑧.

7 Select the first number digit of 'CHAN' then the second number digit of 'CHAN' with the number buttons ❹ on the remote commander
or
Press blue or green ⑧ to search for the next available channel number.

8 If you want to store the channel number, go to step 9. If not, select a new channel number using the number buttons ❹ on the remote commander or press blue or green ⑧ to resume the search.

9 Press OK ❻.

10 Repeat steps 4 to 9 to preset other channels.
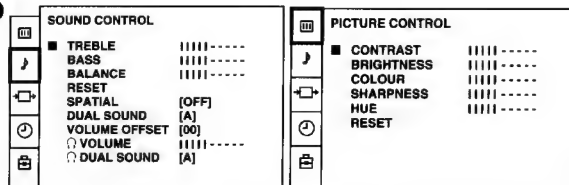
11 Press the MENU button ⑬ to restore the normal TV picture.

— 11 —

Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste.

1 Press the MENU button ⓭.

2 Press blue or green ❽ to select ▥ for picture control or ♪ for sound control then press yellow ❽.

```
┌─────────────────────────┐  ┌─────────────────────────┐
│ ▥  SOUND CONTROL        │  │ ▥  PICTURE CONTROL      │
│ ♪  ■ TREBLE    |||||----- │  │ ♪  ■ CONTRAST   |||||----- │
│    BASS        |||||----- │  │    BRIGHTNESS  |||||----- │
│ ⇥  BALANCE     |||||----- │  │    COLOUR      |||||----- │
│    RESET               │  │ ⇥  SHARPNESS   |||||----- │
│    SPATIAL      [OFF]   │  │    HUE         |||||----- │
│ ⊘  DUAL SOUND   [A]     │  │ ⊘  RESET               │
│    VOLUME OFFSET [00]   │  │                         │
│ ⧄  ∩ VOLUME    |||||----- │  │ ⧄                       │
│    ∩ DUAL SOUND [A]     │  │                         │
└─────────────────────────┘  └─────────────────────────┘
```

3 Press blue or green ❽ to select the desired item then press yellow ❽.

4 Press red or yellow ❽ to alter the item then press OK ❻.
For the effect of each control, see the following tables.

5 Repeat steps 3 and 4 to adjust the other items.

6 Press the MENU button ⓭ to restore the normal TV picture.

PICTURE CONTROL   Effect

Contrast	Lower ——|—— Higher
Brightness	Darker ——|—— Brighter
Colour	Less ——|—— More
Sharpness	Softer ——|—— Sharper
Hue	Greenish ——|—— Reddish (NTSC signals only)
Reset	Resets picture to the factory preset levels.

Adjusting the Picture and Sound (continued)

SOUND CONTROL   Effect

Treble	Less ——|—— More
Bass	Less ——|—— More
Balance	Left ——|—— Right
Reset	Resets sound to the factory preset levels.
Spatial	Acoustic sound effect.
Dual Sound	A: Left channel —> B: Right channel —> stereo —> mono
Volume Offset	Presets the volume level for individual programmes.
	-12 —— 0 —— +12
∩ Volume	Adjusts the headphone volume.
∩ Dual Sound	Presets the headphone channels.
	A: Left channel —> B: Right channel —> stereo —> mono

Manual Fine-Tuning

Normally, the automatic fine-tuning (AFT) function is operating.

If the picture is distorted however, you can manually fine-tune the TV to obtain a better picture reception.

1 Press the MENU button ⑬.

2 Press blue or green ❽ to select the symbol ⊟ on the menu screen then press yellow ❽.

3 Press blue or green ❽ to select 'MANUAL PROGRAMME' then press yellow ❽.

MANUAL PROGRAMME PRESET				
PROG	SYS	CHAN	LABEL	AFT
1	B/G	C 1	- - - - -	ON
2	B/G	C 4	- - - - -	ON
3	B/G	C12	- - - - -	ON
■ 4	B/G	C22	- - - - -	ON
5	B/G	C33	- - - - -	ON
6	B/G	C41	- - - - -	ON
7	B/G	C17	- - - - -	ON
8	B/G	C32	- - - - -	ON

4 Press blue or green ❽ to select the programme number which corresponds to the channel you want to manually fine-tune.

5 Press yellow ❽ repeatedly until the AFT position changes colour..

6 Press blue or green ❽ to change the frequency of the channel from -15 to +15.

7 Press OK ❻.

8 Repeat steps 4 to 7 to fine-tune other channels.

9 Press the MENU button ⑬ to restore the normal TV picture.

Sorting Programme Positions

This function enables you to move channels to different programme numbers.

1 Press the MENU button ⑬.

2 Press blue or green ❽ to select the symbol ⊟ on the menu screen then press yellow ❽.

3 Press blue or green ❽ to select 'PROGRAMME SORTING' then press yellow ❽.

▥	PRESET
♪	■ AUTO PROGRAMME
	MANUAL PROGRAMME
	AV LABEL PRESET
⊡	PROGRAMME SORTING
	PARENTAL LOCK
◷	LANGUAGE
	PICTURE ROTATION [00]
⊟	

4 Press blue or green ❽ to select the channel you want to move to another programme number then press yellow ❽.

PROGRAMME SORTING			
PROG	SYS	CHAN	LABEL
■ 1	B/G	C23	BBC - 1
2	B/G	C26	RTL - -
3	B/G	C29	VHS - 1
4	B/G	C31	ZDF - -
5	B/G	C44	ITV - -
6	B/G	C14	SKY - -
7	B/G	C15	SAT - 1
8	B/G	C16	BBC - 2

5 Press blue or green ❽ to select the programme number to which you want to move the channel selected in step 4 then press yellow ❽.

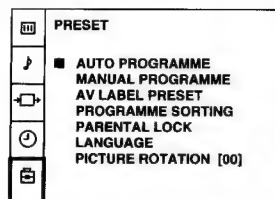**6** Repeat steps 4 to 5 if you wish to move other channels to different programme numbers.

7 Press the MENU button ⑬ to restore the normal TV picture.

Using Parental Lock

This function enables you to prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

1 Press the MENU button ⑱.

2 Press blue or green ❽ to select the symbol 🗐 on the menu screen then press yellow ❽.

3 Press blue or green ❽ to select 'PARENTAL LOCK' then press yellow ❽.

🎚	PRESET
♪	■ AUTO PROGRAMME
	MANUAL PROGRAMME
⬚➡	AV LABEL PRESET
	PROGRAMME SORTING
⏲	PARENTAL LOCK
	LANGUAGE
🗐	PICTURE ROTATION [00]

4 Press blue or green ❽ to select the channel you want to block then press yellow ❽. The symbol appears before the programme number to indicate that this channel is now blocked.

PARENTAL LOCK			
PROG	SYS	CHAN	LABEL
■ 1	B/G	C23	BBC - 1
2	B/G	C26	RTL - -
3	B/G	C29	VHS - 1
4	B/G	C31	ZDF - -
5	B/G	C44	ITV - -
6	B/G	C14	SKY - -
7	B/G	C15	SAT - 1
8	B/G	C16	BBC - 2

5 Repeat step 4 if you wish to block other channels.

6 Press the MENU button ⑱ to restore the normal TV picture.
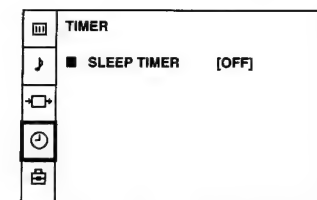
Note: To unblock, press yellow ❽ after selecting the channel to unblock in the 'PARENTAL LOCK' menu.

Using the Sleep Timer

This function enables you to select a time period after which the TV automatically switches into standby mode.

1 Press the MENU button ⑱.

2 Press blue or green ❽ to select the symbol ⏲ on the menu screen then press yellow ❽.

🎚	TIMER	
♪	■ SLEEP TIMER	[OFF]
⬚➡		
⏲		
🗐		

3 Press yellow ❽.

4 Press red or yellow ❽ to set time delay and press OK ❻.

OFF 0:30 1:00 1:30 .... 3:30 4:00

One minute before the TV switches into standby mode, a message is displayed on the screen.

5 Press the MENU button ⑱ to restore the normal TV picture.

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Skipping Programme Positions

This function enables you to skip unused channels when selecting programme numbers with the PROGR+/- buttons. However, you can still watch the skipped channel(s) by using the number buttons.

1 Press the MENU button ⓭.

2 Press blue or green ❽ to select the symbol ⊟ on the menu screen then press yellow ❽.

3 Press blue or green ❽ to select 'MANUAL PROGRAMME' then press yellow ❽.

🖳	PRESET
♪	■ AUTO PROGRAMME MANUAL PROGRAMME
⊷⊡•	AV LABEL PRESET PROGRAMME SORTING PARENTAL LOCK
⊕	LANGUAGE PICTURE ROTATION [00]
🗐	

4 Press blue or green ❽ to select the channel you want to skip then press yellow ❽.

5 Press blue or green ❽ until '- - -' appears in the 'SYS' position.

MANUAL PROGRAMME PRESET				
PROG	SYS	CHAN	LABEL	AFT
1	B/G	C 1	- - - - -	ON
2	B/G	C 4	- - - - -	ON
3	B/G	C12	- - - - -	ON
4	- - - -	C22	- - - - -	ON
5	B/G	C33	- - - - -	ON
6	B/G	C41	- - - - -	ON
7	B/G	C17	- - - - -	ON
8	B/G	C32	- - - - -	ON

6 Press OK ❻.

7 Repeat steps 4 to 6 to skip other channels.

**8** Press the MENU button ⓭ to restore the normal TV picture.

Captioning a Station Name

Names for channels are usually automatically taken from teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers).

1 Press the MENU button ⓭.

2 Press blue or green ❽ to select the symbol ⊟ on the menu screen then press yellow ❽.

3 Press blue or green ❽ to select 'MANUAL PROGRAMME' then press yellow ❽.

🖳	PRESET
♪	■ AUTO PROGRAMME MANUAL PROGRAMME
⊷⊡•	AV LABEL PRESET PROGRAMME SORTING PARENTAL LOCK
⊕	LANGUAGE PICTURE ROTATION [00]
🗐	

4 Press blue or green ❽ to select the channel you wish to caption then press yellow ❽ repeatedly until the first element of the 'LABEL' position is highlighted.

5 Press ❽ blue or green to select a letter or number and press yellow ❽ (select '-' for a blank). Select other characters in the same way.

MANUAL PROGRAMME PRESET				
PROG	SYS	CHAN	LABEL	AFT
1	B/G	C 1	- - - - -	ON
2	B/G	C 4	- - - - -	ON
3	B/G	C12	- - - - -	ON
4	B/G	C22	A - - -	ON
5	B/G	C33	- - - -	ON
6	B/G	C41	- - - - -	ON
7	B/G	C17	- - - - -	ON
8	B/G	C32	- - - - -	ON

6 After selecting all the characters, press OK ❻.

7 Repeat steps 4 to 6 to caption names for other channels.

8 Press the MENU button ⓭ to restore the normal TV screen.

Most TV channels broadcast information via teletext. The index page of the broadcaster (usually page 100) gives you information on how to use the service.
Make sure you use a TV channel with a strong signal, otherwise teletext errors may occur.

Switching Teletext On and Off

1 Select the channel which carries the teletext service you wish to view.

2 Press 🔲 ❷ to display teletext.
If no teletext signal is broadcast, the indication P100 is displayed on a black screen.

3 Input three digits for the page number using the number buttons ❹.
The page counter searches for the page and after some seconds the page is displayed.

4 Press ⭕ ❸ to return to the normal TV picture.

Using Other Teletext Functions

To	Press
Access the next or preceding teletext page	⏶ ⓮ for the next page or ⏷ ⓮ for the preceding page
Mix the mode	🔲 ❷ when in teletext mode. Now the teletext page is superimposed on the TV programme. Press again to return to the normal teletext display.
Freeze a teletext subpage	⏸ ⓫. Press once again to cancel.
Reveal hidden information (eg: answers to a quiz)	❓ ⓬. Press once again to cancel.

Favourite page system

You can store up to four of your favourite teletext pages per Teletext service. In this way you have quick access to the pages you frequently use.

Storing pages

1 Use the number buttons ❹ to select the page you would like to store.

2 Press ⟷ ❼ twice.
The colour prompts at the bottom of the screen flash.

3 Press red, green, blue or yellow to store the selected page.
The page is now stored on this colour.

Repeat steps 1 to 3 for the other 3 pages.

Displaying the Favourite Pages

1 Press ⟷ ❼.

2 Press blue, green, red or yellow to select the desired page.

Make sure you press ⟷ ❼, otherwise the normal Fastext facility operates.

Using Fastext

(only available, if the TV station broadcasts Fastext signals)

With Fastext you can access pages with one key stroke . When Fastext is broadcast, a colour-coded menu appears at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue colours on the Remote Commander.

Press the Remote Commander colour button that corresponds to the colour-coded menu. The selected page is displayed after some seconds.

Connecting Optional Equipment

There is a wide range of optional equipment you can connect to your TV. Refer to the illustrations on the front flap page of this manual.

Symbol	Acceptable input signals	Available output signals
-⊝ 3, -⊝ 3 B -⊛ 3 C	Normal audio/video and S video	No output
-⊙ 1 K	Normal audio/video and RGB	Audio/video from TV tuner
⊖ 2/⊖ 2 L	Normal audio/video and S video	Audio/video from selected source

About S video input

Video signals may be separated into Y (luminance) and C (chrominance) signals. Separating the two signals prevents interference and thus improves the picture quality.

Notes on connections:

If the picture or sound is distorted, move the VCR away from the TV.

When connecting a monaural VCR, connect only the white jack to both the TV and VCR.

Selecting Input and Output Signals

This section explains how to select the output signal from ⊖ 2/⊖ 2 L and how to select and view the input. You can use direct access buttons -⊝ ⓫ E to select the input or the menu system to select input and output.

## Selecting With Direct Access Buttons

Press -⊝ ⓫ E repeatedly.
Press ○ ❸ to restore the normal TV picture.

Symbol on the screen	Input Signal
-⊝ 1 -⊙ -⊝ 2 -⊛ 2 -⊝ 3 -⊛ 3	Audio/video through Euro AV connector K RGB through Euro AV connector K Audio/video through Euro AV connector L S video through Euro AV connector L Audio/video through the phono jacks C S video through the phono jacks B

Selecting With the Video Connection Menu

1 Press the MENU button ⓭.

2 Press blue or green ❽ to select →□→ for "VIDEO CONNECTION" then press yellow ❽.

VIDEO CONNECTION
■ TV ···|···>
AUTO <·····!AV2
(TV)
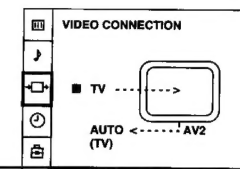
3 Press blue or green to select input or output then press yellow ❽.

4 Press blue or green repeatedly to select the desired input or output source then press OK ❻.

5 Press the MENU button ⓭ to restore the normal TV picture.

Note: If you select 'AUTO' for output, the output source automatically becomes the same as the desired input source.

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Using AV Label Preset

This function enables you to label the input sources using up to five characters (letters or numbers).

1 Press the MENU button ⑱.

2 Press blue or green ❽ to select the symbol 🖾 on the screen then press yellow ❽.

3 Press blue or green ❽ to select 'AV LABEL PRESET' then press yellow ❽.

AV LABEL PRESET	
INPUT	LABEL
■ AV1	- - - - -
RGB	- - - - -
AV2	- - - - -
YC2	- - - - -
AV3	- - - - -
YC3	- - - - -

4 Press blue or green ❽ to select the desired input source then press yellow ❽.

5 Press blue or green ❽ to select a letter or number then press yellow ❽ (select '-' for a blank).
Select other characters in the same way.

6 After selecting all the characters, press OK ❻.

7 Repeat steps 4 to 6 to label other input sources.

8 Press the MENU button ⑱ to restore the normal TV screen.

Troubleshooting

Here are some simple solutions to the problems which affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	• Plug the TV in. • Press ① ▊ on the TV. (If ⏻ indicator ▉ is on, press ◯ ❸ or a programme number ❹ on the Remote Commander.) • Check the aerial connection. • Check if the selected video source is on. • Turn the TV off for 3 or 4 seconds then turn it on again using ① ▊.
Poor or no picture (screen is dark), but good sound	• Press MENU ⑱ to enter the 'PICTURE CONTROL' menu and adjust 'Contrast', 'Brightness' and 'Colour'.
Poor picture quality when watching an RGB video source.	• Press ⊖ ⑪ ▣ repeatedly to select ⛯.
Good picture but no sound	• Press △ + ❾ ▣. • If �ⓧ is displayed on the screen, press ⓧ ❶.
No colour for colour programmes	• Press MENU ⑱ to enter the 'PICTURE CONTROL' menu, select 'Reset' then press OK ❻.
Remote Commander does not function.	• Replace the batteries.

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.